

**COPY**

<110> Bandman, Olga  
 Goli, Surya K.  
 Lal, Preeti G.  
 Corley, Neil C.  
 Zhang, Hong

<120> NEW PROTEIN PHOSPHATASE

<130> PF-0319-1 DIV

<140> To Be Assigned

<141> Herewith

<160> 4

<170> PERL Program

<210> 1

<211> 479

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 013177CD1

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His	Gly	Ala	Gly	Asn	Gly	Leu	Arg	Tyr	Gly	Leu	Ser	Ser	Met	Gln	20	25	30	35
Gly	Trp	Arg	Val	Glu	Met	Glu	Asp	Ala	His	Thr	Ala	Val	Val	Gly	40	45	50	55
Ile	Pro	His	Gly	Leu	Glu	Asp	Trp	Ser	Phe	Phe	Ala	Val	Tyr	Asp	60	65	70	75
Gly	His	Ala	Gly	Ser	Arg	Val	Ala	Asn	Tyr	Cys	Ser	Thr	His	Leu	80	85	90	95
Leu	Glu	His	Ile	Thr	Thr	Asn	Glu	Asp	Phe	Arg	Ala	Ala	Gly	Lys	100	105	110	115
Ser	Gly	Ser	Ala	Leu	Glu	Leu	Ser	Val	Glu	Asn	Val	Lys	Asn	Gly	120	125	130	135
Ile	Arg	Thr	Gly	Phe	Leu	Lys	Ile	Asp	Glu	Tyr	Met	Arg	Asn	Phe	140	145	150	155
Ser	Asp	Leu	Arg	Asn	Gly	Met	Asp	Arg	Ser	Gly	Ser	Thr	Ala	Val	160	165	170	175
Gly	Val	Met	Ile	Ser	Pro	Lys	His	Ile	Tyr	Phe	Ile	Asn	Cys	Gly	180	185	190	195
Asp	Ser	Arg	Ala	Val	Leu	Tyr	Arg	Asn	Gly	Gln	Val	Cys	Phe	Ser	200	205	210	215
Thr	Gln	Asp	His	Lys	Pro	Cys	Asn	Pro	Arg	Glu	Lys	Glu	Arg	Ile	220	225	230	235
Gln	Asn	Ala	Gly	Gly	Ser	Val	Met	Ile	Gln	Arg	Val	Asn	Gly	Ser	240	245	250	255
Leu	Ala	Val	Ser	Arg	Ala	Leu	Gly	Asp	Tyr	Asp	Tyr	Lys	Cys	Val	260	265	270	275
Asp	Gly	Lys	Gly	Pro	Thr	Glu	Gln	Leu	Val	Ser	Pro	Glu	Pro	Glu	280	285	290	295
Val	Tyr	Glu	Ile	Leu	Arg	Ala	Glu	Glu	Asp	Glu	Phe	Ile	Ile	Leu	300	305	310	315
Ala	Cys	Asp	Gly	Ile	Trp	Asp	Val	Met	Ser	Asn	Glu	Glu	Leu	Cys	320	325	330	335
Glu	Tyr	Val	Lys	Ser	Arg	Leu	Glu	Val	Ser	Asp	Asp	Leu	Glu	Asn	340	345	350	355
Val	Cys	Asn	Trp	Val	Val	Asp	Thr	Cys	Leu	His	Lys	Gly	Ser	Arg	360	365	370	375
Asp	Asn	Met	Ser	Ile	Val	Leu	Val	Cys	Phe	Ser	Asn	Ala	Pro	Lys	380	385	390	395

10072130 020502

290	Val Ser Asp Glu Ala	295	Val Lys Lys Asp Ser Glu Leu Asp Lys His	300
305	Leu Glu Ser Arg Val	310	Glu Glu Ile Met Glu Lys Ser Gly Glu Glu	315
320	Gly Met Pro Asp Leu	325	Ala His Val Met Arg Ile Leu Ser Ala Glu	330
335	Asn Ile Pro Asn Leu	340	Pro Pro Gly Gly Gly Leu Ala Gly Lys Arg	345
350	Asn Val Ile Glu Ala	355	Val Tyr Ser Arg Leu Asn Pro His Arg Glu	360
365	Ser Asp Gly Ala Ser	370	Asp Glu Ala Glu Glu Ser Gly Ser Gln Gly	375
380	Lys Leu Val Glu Ala	385	Leu Arg Gln Met Arg Ile Asn His Arg Gly	390
395	Asn Tyr Arg Gln Leu	400	Leu Glu Glu Met Leu Thr Ser Tyr Arg Leu	405
410	Ala Lys Val Glu Gly	415	Glu Glu Ser Pro Ala Glu Pro Ala Ala Thr	420
425	Ala Thr Ser Ser Asn	430	Ser Asp Ala Gly Asn Pro Val Thr Met Gln	435
440	Glu Ser His Thr Glu	445	Ser Glu Ser Gly Leu Ala Glu Leu Asp Ser	450
455	Ser Asn Glu Asp Ala	460	Gly Thr Lys Met Ser Gly Glu Lys Ile	465
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&lt;210&gt; 2

&lt;211&gt; 2268

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 013177CB1

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&lt;211&gt; 390

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; ID No: g247927

&lt;400&gt; 3

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20     25     30
Gly Trp Arg Val Glu Met Glu Asp Ala His Thr Ala Val Val Gly
35     40     45
Ile Pro His Gly Leu Glu Asp Trp Ser Phe Phe Ala Val Tyr Asp
50     55     60
Gly His Ala Gly Ser Arg Val Ala Asn Tyr Cys Ser Thr His Leu
65     70     75
Leu Glu His Ile Thr Thr Asn Glu Asp Phe Arg Ala Ala Asp Lys
80     85     90
Ser Gly Phe Ala Leu Glu Pro Ser Val Glu Asn Val Lys Thr Gly
95     100    105
Ile Arg Thr Gly Phe Leu Lys Ile Asp Glu Tyr Met Arg Asn Phe
110    115    120
Ser Asp Leu Arg Asn Gly Met Asp Arg Ser Gly Ser Thr Ala Val
125    130    135
Gly Val Met Ile Ser Pro Thr His Ile Tyr Phe Ile Asn Cys Gly
140    145    150
Asp Ser Arg Ala Val Leu Cys Arg Asn Gly Gln Val Cys Phe Ser
155    160    165
Thr Gln Asp His Lys Pro Cys Asn Pro Met Glu Lys Glu Arg Ile
170    175    180
Gln Asn Ala Gly Gly Ser Val Met Ile Gln Arg Val Asn Gly Ser
185    190    195
Leu Ala Val Ser Arg Ala Leu Gly Asp Tyr Asp Tyr Lys Cys Val
200    205    210
Asp Gly Lys Gly Pro Thr Glu Gln Leu Val Ser Pro Glu Pro Glu
215    220    225
Val Tyr Glu Ile Leu Arg Ala Glu Glu Asp Glu Phe Val Val Leu
230    235    240
Ala Cys Asp Gly Ile Trp Asp Val Met Ser Asn Glu Glu Leu Cys
245    250    255
Glu Phe Val Asn Ser Arg Leu Glu Val Ser Asp Asp Leu Glu Asn
260    265    270
Val Cys Asn Trp Val Val Asp Thr Cys Leu His Lys Gly Ser Arg
275    280    285
Asp Asn Met Ser Ile Val Leu Val Cys Phe Ala Asn Ala Pro Lys
290    295    300
Val Ser Asp Glu Ala Val Lys Arg Asp Leu Glu Leu Asp Lys His
305    310    315
Leu Glu Ser Arg Val Glu Glu Ile Met Gln Lys Ser Gly Glu Glu
320    325    330
Gly Met Pro Asp Leu Ala His Val Met Arg Ile Leu Ser Ala Glu

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Asn Ile Pro Asn	335	340	345
Leu Pro Pro Gly Gly		Gly Leu Ala Gly Lys	Arg
350	355		360
Asn Val Ile Glu	Ala Val Tyr Ser Arg	Leu Asn Pro Asn Lys	Asp
365	370		375
Asn Asp Gly Gly	Ala Gly Asp Leu Glu	Asp Ser Leu Val Ala	Leu
380	385		390

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<220>  
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Gly Trp Arg Val	Glu Met Glu Asp Ala His	Thr Ala Val Val	Gly
	35	40	45
Ile Pro His Gly	Leu Asp Asn Trp Ser Phe	Phe Ala Val Tyr	Asp
	50	55	60
Gly His Ala Gly	Ser Arg Val Ala Asn Tyr	Cys Ser Thr His	Leu
	65	70	75
Leu Glu His Ile	Thr Thr Asn Glu Asp Phe	Arg Ala Ala Asp	Lys
	80	85	90
Ser Gly Ser Ala	Leu Glu Pro Ser Val Glu	Ser Val Lys Thr	Gly
	95	100	105
Ile Arg Thr Gly	Phe Leu Lys Ile Asp Glu	Tyr Met Arg Asn	Phe
	110	115	120
Ser Asp Leu Arg	Asn Gly Met Asp Arg Ser	Gly Ser Thr Ala	Val
	125	130	135
Gly Val Met Val	Ser Pro Thr His Met Tyr	Phe Ile Asn Cys	Gly
	140	145	150
Asp Ser Arg Ala	Val Leu Cys Arg Asn Gly	Gln Val Cys Phe	Ser
	155	160	165
Thr Gln Asp His	Lys Pro Cys Asn Pro Val	Glu Lys Glu Arg	Ile
	170	175	180
Gln Asn Ala Gly	Gly Ser Val Met Ile Gln	Arg Val Asn Gly	Ser
	185	190	195
Leu Ala Val Ser	Arg Ala Leu Gly Asp Tyr	Asp Tyr Lys Cys	Val
	200	205	210
Asp Gly Lys Gly	Pro Thr Glu Gln Leu Val	Ser Pro Glu Pro	Glu
	215	220	225
Val Tyr Glu Ile	Val Arg Ala Glu Glu Asp	Glu Phe Val Val	Leu
	230	235	240
Ala Cys Asp Gly	Ile Trp Asp Val Met Ser	Asn Glu Glu Leu	Cys
	245	250	255
Glu Phe Val Lys	Ser Arg Leu Glu Val Ser	Asp Asp Leu Glu	Asn
	260	265	270
Val Cys Asn Trp	Val Val Asp Thr Cys Leu	His Lys Gly Ser	Arg
	275	280	285
Asp Asn Met Ser	Val Val Leu Val Cys Phe	Ser Asn Ala Pro	Lys
	290	295	300
Val Ser Glu Glu	Ala Val Lys Arg Asp Ser	Glu Leu Asp Lys	His
	305	310	315
Leu Glu Ser Arg	Val Glu Glu Ile Met Gln	Lys Ser Gly Glu	Glu
	320	325	330
Gly Met Pro Asp	Leu Ala His Val Met Arg	Ile Leu Ser Ala	Glu
	335	340	345

10072130 020502

Asn	Ile	Pro	Asn	Leu	Pro	Pro	Gly	Gly	Gly	Leu	Ala	Gly	Lys	Arg
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His	Val	Ile	Glu	Ala	Val	Tyr	Ser	Arg	Leu	Asn	Pro	His	Lys	Asp
				365					370					375
Asn	Asp	Gly	Gly	Ala	Gly	Asp	Leu	Glu	Asp	Ser	Leu	Val	Ala	Leu
				380					385					390

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